

# Missouri Department of Natural Resources



## PUBLIC NOTICE

### DRAFT MISSOURI STATE OPERATING PERMIT

DATE: September 15, 2006

In accordance with the state Clean Water Law, Chapter 644, RSMo, Clean Water Commission regulation 10 CSR 20-6.010, and the federal Clean Water Act, the applicants listed herein have applied for authorization to either discharge to waters of the state or to operate a no-discharge wastewater treatment facility. The proposed permits for these operations are consistent with applicable water quality standards, effluent standards and/or treatment requirements or suitable timetables to meet these requirements (see 10 CSR 20-7.015 and 7.031). All permits will be issued for a period of five years, unless noted otherwise in the Public Notice for that discharge.

On the basis of preliminary staff review and the application of applicable standards and regulations, the Missouri Department of Natural Resources (MDNR), as administrative agent for the Missouri Clean Water Commission, proposes to issue a permit(s) subject to certain effluent limitations, schedules, and special conditions. The proposed determinations are tentative pending public comment.

Persons wishing to comment on the proposed permit conditions are invited to submit them in writing to the Department of Natural Resources, St. Louis Regional Office, 7545 S. Lindbergh, Suite 210, St. Louis, MO 63125, ATTN: Thomas M. Siegel, Chief, Permits and Engineering. **Please include the permit number in all comment letters.**

Comments should be confined to the issues relating to the proposed action and permit(s) and the effect on water quality. The MDNR may not consider as relevant comments or objections to a permit based on issues outside the authority of the Clean Water Commission, (see Curdt v. Mo. Clean Water Commission, 586 S.W.2d 58 Mo. App. 1979).

All comments must be postmarked by **October 15, 2006** or received in our office by 5:00 p.m. on **October 18, 2006**. The requirement of a signed document makes it impossible to accept email comments for consideration at this time. Comments will be considered in the formulation of all final determinations regarding the applications. If response to this notice indicates significant public interest, a public meeting or hearing may be held after due notice for the purpose of receiving public comment on the proposed permit or determination. Public hearings and/or issuance of the permit will be conducted or processed according to 10 CSR 20-6.020.

Copies of all draft permits and other information including copies of applicable regulations are available for inspection and copying at DNR's website, <http://www.dnr.mo.gov/env/wpp/index.html>, or at the Department of Natural Resources, Water Protection Program, P.O. Box 176, Jefferson City, Missouri 65102, between the hours of 8:00 a.m. and 5:00 p.m., Monday through Friday.

Public Notice Date: September 15, 2006

Permit Number: MO-0090492

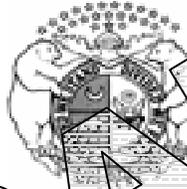
Regional Office

<b>FACILITY NAME AND ADDRESS</b>	<b>NAME AND ADDRESS OF OWNER</b>
Crestview Acres Pacific, MO 63069	Crestview Acres Sewer District P.O. Box 512 Pacific, MO 63069
<b>RECEIVING STREAM &amp; LEGAL DESCRIPTION</b>	<b>TYPE OF DISCHARGE</b>
Unnamed Tributary of Winch Creek(U) Sec 36, T43N, R2E, Franklin County	Domestic, reissuance

STATE OF MISSOURI

DEPARTMENT OF NATURAL RESOURCES

MISSOURI CLEAN WATER COMMISSION



MISSOURI STATE OPERATING PERMIT

In compliance with the Missouri Clean Water Law (Chapter 644 R.S. Mo. as amended, hereinafter, the Law), and the Federal Water Pollution Control Act (Public Law 92-500, 92<sup>nd</sup> Congress) as amended,

Permit No. MO-0090492

Owner: Crestview Acres Sewer District  
Address: PO Box 512, Pacific, MO 63069

Continuing Authority: Same as above >  
Address: Same as above >

Facility Name: Crestview Acres  
Facility Address: Highway NN and Highway O, Pacific, MO 63069

Legal Description: SW<sup>1</sup>/<sub>4</sub>, NW<sup>1</sup>/<sub>4</sub>, SE<sup>1</sup>/<sub>4</sub>, Sec. 36, T43N, R2E, Franklin County  
Latitude/Longitude: +3825130/-09044467

Receiving Stream: Unnamed tributary to Winch Creek (U)  
First Classified Stream and ID: Meramec River (P) (01841)  
USGS Basin & Sub-watershed No.: (7140102-070004)

is authorized to discharge from the facility described herein, in accordance with the effluent limitations and monitoring requirements as set forth herein:

**FACILITY DESCRIPTION**

Outfall #001 POTW – SIC 4952  
**Single Cell Lagoon**/sludge is retained in lagoon  
Design population equivalent is 101  
Design flow is 10,000 gallons per day.  
Actual flow is 6,400 gallons per day.  
Design sludge production is 1.5 dry tons/year.

This permit authorizes only wastewater discharges under the Missouri Clean Water Law and the National Pollutant Discharge Elimination System; it does not apply to other regulated areas. This permit may be appealed in accordance with Section 644.051.6 of the Law.

Effective Date

Doyle Childers, Director, Department of Natural Resources  
Executive Secretary, Clean Water Commission

Expiration Date  
MO 780-0041 (10-93)

Mike Struckhoff, Director, St. Louis Regional Office

The permittee is authorized to discharge from outfall(s) with serial number(s) as specified in the application for this permit. The final effluent limitations shall become effective upon issuance and remain in effect until expiration of the permit. Such discharges shall be controlled, limited and monitored by the permittee as specified below:

OUTFALL NUMBER AND EFFLUENT PARAMETER(S)	UNITS	FINAL EFFLUENT LIMITATIONS			MONITORING REQUIREMENTS	
		DAILY MAXIMUM	WEEKLY AVERAGE	MONTHLY AVERAGE	MEASUREMENT FREQUENCY	SAMPLE TYPE
<u>Outfall #001</u>						
Flow	MGD	*		*	once/month	24 hr. estimate
Biochemical Oxygen Demand <sub>5</sub>	mg/L		65	45	once/quarter**	grab
Total Suspended Solids	mg/L		120	80	once/quarter**	grab
pH – Units	SU	**		**	once/quarter**	grab
Ammonia as N	mg/L	*		*	once/quarter**	grab
Temperature	°C	*		*	once/quarter**	grab

MONITORING REPORTS SHALL BE SUBMITTED **QUARTERLY**; THE FIRST REPORT IS DUE \_\_\_\_\_. THERE SHALL BE NO DISCHARGE OF FLOATING SOLIDS OR VISIBLE FOAM IN OTHER THAN TRACE AMOUNTS.

**B. STANDARD CONDITIONS**

IN ADDITION TO SPECIFIED CONDITIONS STATED HEREIN, THIS PERMIT IS SUBJECT TO THE ATTACHED Parts I, & III STANDARD CONDITIONS DATED October 1, 1980 and August 15, 1994, AND HEREBY INCORPORATED AS THOUGH FULLY SET FORTH HEREIN.

MO 780-0010 (8/91)

A. EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS (continued)

- \* Monitoring requirement only.
- \*\* Sample once per quarter in the months of March, June, September, and December.
- \*\*\* pH is measured in pH units and is not to be averaged. The pH is to be maintained at or above 6.0 pH units.

<b>C. INFLUENT MONITORING REQUIREMENTS</b>		PAGE NUMBER 3 of 4
		PERMIT NUMBER MO-0090492
The facility is required to meet a removal efficiency of <b>65/85%</b> or more. The monitoring requirements shall become effective upon issuance and remain in effect until expiration of the permit. To determine removal efficiencies, the influent wastewater shall be monitored by the permittee as specified below:		
SAMPLING LOCATION AND PARAMETER(S)	UNITS	MONITORING REQUIREMENTS
		MEASUREMENT FREQUENCY
<u>Influent</u>		
Biochemical Oxygen Demand <sub>5</sub>	mg/L	once/quarter** grab
Total Suspended Solids	mg/L	once/quarter** grab
MONITORING REPORTS SHALL BE SUBMITTED <b>QUARTERLY</b> ; THE FIRST REPORT IS DUE _____.		

MO 780-0010 (8/91)

**C. INFLUENT MONITORING REQUIREMENTS (continued)**

\*\* Sample once per quarter in the months of March, June, September, and December.

**D. SPECIAL CONDITIONS**

1. This permit may be reopened and modified, or alternatively revoked and reissued, to:
  - (a) Comply with any applicable effluent standard or limitation issued or approved under Sections 301(b)(2)(C) and (D), 304(b)(2), and 307(a) (2) of the Clean Water Act, if the effluent standard or limitation so issued or approved:
    - (1) contains different conditions or is otherwise more stringent than any effluent limitation in the permit; or
    - (2) controls any pollutant not limited in the permit.
  - (b) Incorporate new or modified effluent limitations or other conditions, if the result of a waste load allocation study, toxicity test or other information indicates changes are necessary to assure compliance with Missouri's Water Quality Standards.
  - (c) Incorporate new or modified effluent limitations or other conditions if, as the result of a watershed analysis, a Total Maximum Daily Load (TMDL) limitation is developed for the receiving waters which are currently included in Missouri's list of waters of the state not fully achieving the state's water quality standards, also called the 303(d) list.

The permit as modified or reissued under this paragraph shall also contain any other requirements of the Clean Water Act then applicable.

2. All outfalls must be clearly marked in the field.
3. Permittee will cease discharge by connection to area-wide wastewater treatment system within 90 days of notice of its availability.
4. Changes in Discharges of Toxic Substances

The permittee shall notify the Director as soon as it knows or has reason to believe:

- (a) That any activity has occurred or will occur which would result in the discharge of any toxic pollutant which is not limited in the permit, if that discharge will exceed the highest of the following "notification levels:"
  - (1) One hundred micrograms per liter (100 µg/L);
  - (2) Two hundred micrograms per liter (200 µg/L) for acrolein and acrylonitrile; five hundred micrograms per liter (500 µg/L) for 2,5 dinitrophenol and for 2-methyl-4, 6-dinitrophenol; and one milligram per liter (1 mg/L) for antimony;
  - (3) Five (5) times the maximum concentration value reported for the pollutant in the permit application;
  - (4) The level established in Part A of the permit by the Director.
- (b) That they have begun or expect to begin to use or manufacture as an intermediate or final product or byproduct any toxic pollutant, which was not reported in the permit application.
- (c) That the effluent limit established in part A of the permit will be exceeded.

5. Report as no-discharge when a discharge does not occur during the report period.

D. SPECIAL CONDITIONS (continued)

6. Water Quality Standards

- (a) Discharges to waters of the state shall not cause a violation of water quality standards rule under 10 CSR 20-7.031, including both specific and general criteria.
- (b) General Criteria. The following general water quality criteria shall be applicable to all waters of the state at all times including mixing zones. No water contaminant, by itself or in combination with other substances, shall prevent the waters of the state from meeting the following conditions:
- (1) Waters shall be free from substances in sufficient amounts to cause the formation of putrescent, unsightly or harmful bottom deposits or prevent full maintenance of beneficial uses;
  - (2) Waters shall be free from oil, scum and floating debris in sufficient amounts to be unsightly or prevent full maintenance of beneficial uses;
  - (3) Waters shall be free from substances in sufficient amounts to cause unsightly color or turbidity, offensive odor or prevent full maintenance of beneficial uses;
  - (4) Waters shall be free from substances or conditions in sufficient amounts to result in toxicity to human, animal or aquatic life;
  - (5) There shall be no significant human health hazard from incidental contact with the water;
  - (6) There shall be no acute toxicity to livestock or wildlife watering;
  - (7) Waters shall be free from physical, chemical or hydrologic changes that would impair the natural biological community;
  - (8) Waters shall be free from used tires, car bodies, appliances, demolition debris, used vehicles or equipment and solid waste as defined in Missouri's Solid Waste Law, section 260.200, RSMo, except as the use of such materials is specifically permitted pursuant to section 260.200-260.247.

7. Sludge and Biosolids Use For Domestic Wastewater Treatment Facilities

- (a) Permittee shall comply with the pollutant limitations, monitoring, reporting, and other requirements in accordance with the attached permit Standard Conditions.
- (b) If sludge is not removed by a contract hauler, permittee is authorized to land apply biosolids. Permit Standard Conditions, Part III shall apply to the land application of biosolids. **Permittee shall notify the department at least 180 days prior to the planned removal of biosolids.** The department may require submittal of a biosolids management plan for department review and approval as determined appropriate on a case-by-case basis.

8. The permittee shall comply with any applicable requirements listed in 10 CSR 20-8 and 10 CSR 20-9. The monitoring frequencies contained in this permit shall not be construed by the permittee as a modification of the monitoring frequencies listed in 10 CSR 20-9. If a modification of the monitoring frequencies listed in 10 CSR 20-9 is needed, the permittee shall submit a written request to the department for review and, if deemed necessary, approval.

Date of Fact Sheet: August 22, 2006

Date of Public Notice: September 15, 2006

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) PERMIT  
FACT SHEET

This Fact Sheet explains the applicable regulations and rationale for development of this permit and the public participation process.

FACT SHEET

Date: August 22, 2006

NPDES PERMIT NUMBER: MO-0090492

FACILITY NAME: Crestview Acres

OWNER NAME: Crestview Acres Sewer District

LOCATION: Hwy NN and Hwy O, Pacific, MO 63069

RECEIVING STREAM: Unnamed tributary to Winch Creek

FACILITY CONTACT PERSON: Sue Walker TEL (636)257-0551

FACILITY DESCRIPTION AND RATIONALE

This is a single cell lagoon built sometime in the late 70s. The lagoon has a surface area of 22,000 square-feet measured at the 3 foot operating depth. The design flow for this facility is 10,000 gallons per day. The average flow as indicated in the discharge monitoring reports over the past two years is 6,400 gallons per day. There were WPCP staff inspections in the file which indicated that this facility was having problems meeting BOD, but the facility has been consistently in compliance with their permitted limitations since April 2005.

Effluent limitations for BOD, TSS, and pH are consistent with those found in the regulation for the receiving waterbody 10 CSR 20-7.015 (8)(B)3A] In order to expedite the reissuance of State Operating Permits for existing lagoons, a procedure has been established to renew the operating permits for lagoons that have "equivalent to secondary" treatment effluent limits in the absence of a water quality impact study. Permits are being updated to incorporate new water quality criteria, receiving stream classification, or wasteload allocations and monitoring requirements as stipulated by a Total Maximum Daily Load (TMDL). (See attached Water Quality Review Sheet Check List) If there has been no stream survey conducted within the past five years, there is no observable water quality impacts, and the facility has been in compliance with their existing operating permit, then the operating permit will be renewed maintaining the existing lagoon limits with a reopen clause.

This permit will be issued for a period of five years.



Missouri Department of Natural Resources  
 Water Protection Program  
 Water Pollution Control Branch  
 NPDES Permits and Engineering Section

**Water Quality Review Sheet Check List**  
**Lagoon Operating Permit Renewal**

**Facility Information**

FACILITY NAME: Crestview Acres  
 PERMIT #: MO-0090492  
 FACILITY TYPE: 1 cell lagoon  
 AGE: >20 years

**Outfall Characteristics**

OUTFALL	DESIGN FLOW (MGD)	ACTUAL FLOW (MGD)	ACTUAL FLOW/DESIGN FLOW
001	.01	.0064	64 %

**Effluent Characteristics**

Biochemical Oxygen Demand (BOD<sub>5</sub>) In Compliance  Significant Noncompliance   
 Total Suspended Solids (TSS) In Compliance  Significant Noncompliance   
 Percent Removal (>65%) BOD & TSS In Compliance  Significant Noncompliance   
 N/A

Effluent Limit/Monitoring Requirement Frequency at regulatory minimum: Yes  No

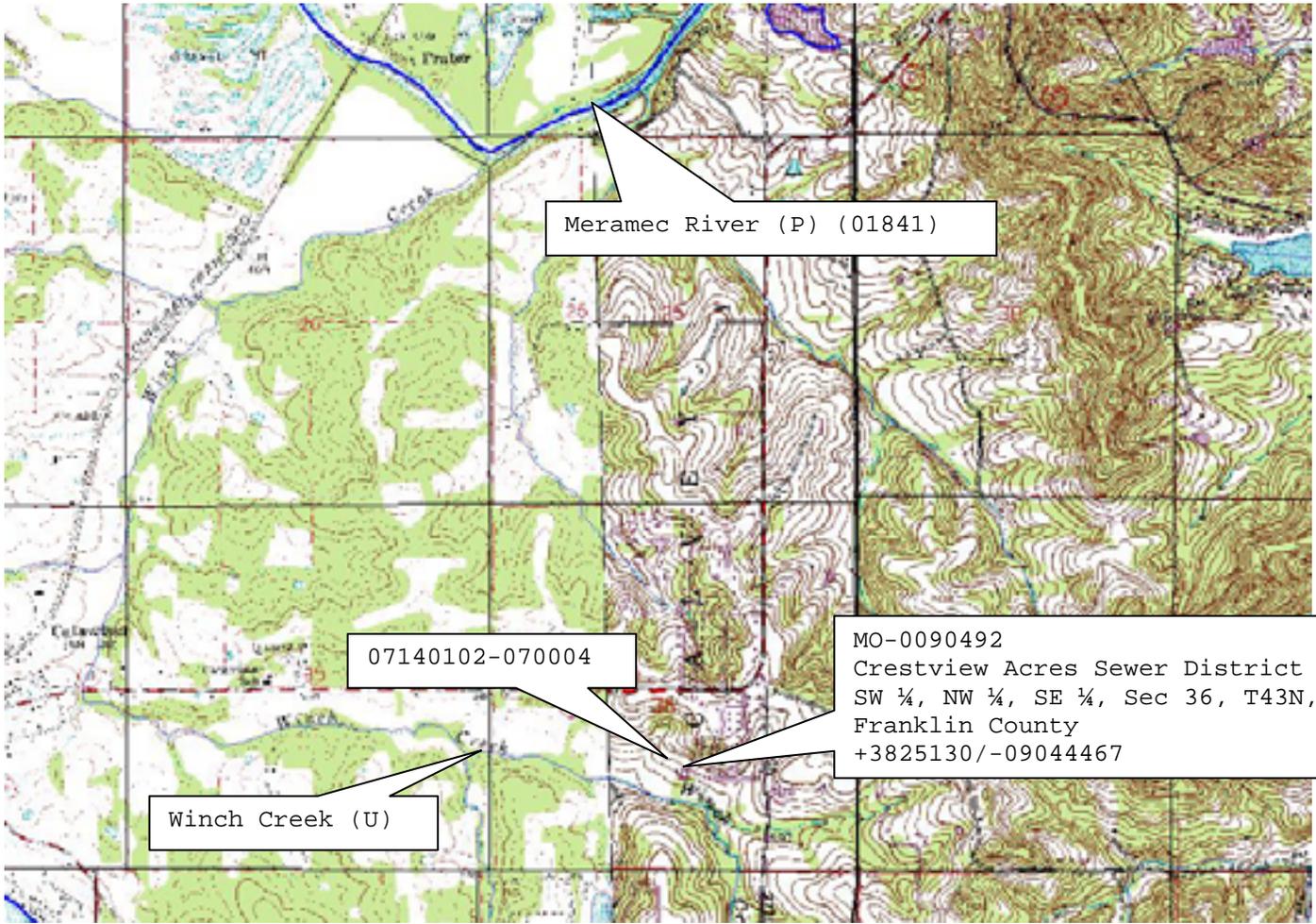
**Receiving Waterbody Information**

WATERBODY NAME: Winch Creek CLASS U  
 WATERBODY NAME: \_\_\_\_\_ CLASS \_\_\_\_\_

Discharge to or within two (2) miles of a losing stream (10 CSR 20-7.031, Table J or as determined by GSRAD)   
 Discharge to or within two (2) miles of a classified waterbody designated for whole body contact recreation   
 Use Attainability Analysis Conducted   
 Stream Survey Conducted within the past five (5) years  Observed water quality impacts

If the facility discharges to any of the waterbody types below, is within an area experiencing rapid development, or if a site-specific water quality impact study has been conducted, this form is not applicable.

Lake/Reservoir  303(d) Waterbody  Metropolitan No-Discharge Stream   
 Outstanding National/State Resource Water and Drainages Thereto



Meramec River (P) (01841)

07140102-070004

Winch Creek (U)

MO-0090492  
Crestview Acres Sewer District  
SW 1/4, NW 1/4, SE 1/4, Sec 36, T43N, R2E  
Franklin County  
+3825130/-09044467